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JAPANESE PATENT OFFICE

## PATENT ABSTRACTS OF JAPAN

(11)Publication number: 08169573

(43)Date of publication of application: 02.07.1996

(51)Int.Cl.

 B65H 3/06  
 B41J 13/076  
 G03G 15/00

(21)Application number: 06315398

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(22)Date of filing: 20.12.1994

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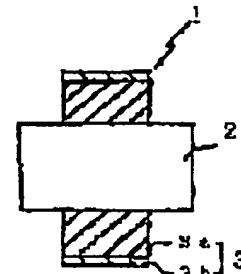
(54) PAPER FEEDING ROLLER, MANUFACTURE OF PAPER FEEDING ROLLER AND PAPER FEEDER

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(57)Abstract:

**PURPOSE:** To provide a paper feeding roller by which a high friction coefficient can be maintained even in long-term use and which is excellent in abrasion resistance and a paper feeding characteristic by forming a base material of the outermost layer out of a rubber composition among an elastic layer of at least two or more layers, and constituting a base material of at least a single layer of an inside layer out of urethane foam.

**CONSTITUTION:** A paper feeding roller 1 has a shaft 2 of core metal of a solid body or an inside hollow metallic cylinder body. An elastic layer 3 is constituted of an inside layer 3a composed of urethane foam and the outermost layer 3b composed of a rubber composition.



The paper feeding roller 1 may be constituted by installing the elastic layer independently or in a plurality on a single shaft. As urethane foam used as a base material of the inside layer 3a among the elastic layer 3, polyole used to manufacture general soft urethane foam can be used as a polyhydroxyl compound. Since a rubber composition used as the base material of the inside layer 3a is not particularly limited, a general rubber composition can be used.

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#### LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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